

OCTOBER_____1973

AT THE _____
CALIFORNIA ACADEMY OF SCIENCES

*You Are Cordially Invited
to the
1973 Annual Open House
of the
Academy*

Wednesday evening, October 10
7:00 - 10:00 p.m.

Once again, the Academy will open its doors to you and your friends for an inspection of not only the public areas generally available but to the research and other departments 'behind the scenes.'

All research areas will be open and there will be numerous special exhibits for you to enjoy. You will also be able to go 'backstage' at Steinhart Aquarium.

Your membership card is your admission through Cowell Hall. For your guests, please fill out the guest tickets that have been sent you. A program and floor plan will be distributed when the doors open promptly at seven.



MORRISON PLANETARIUM

"THE STAR THAT FAILED" will continue in the Theatre of the Stars through November 25. On December 3, Pioneer 10 will reach its ultimate destination — the star-planet Jupiter. This sky show will prepare you for that important occasion by informing you as to what is going on thereby doubling your excitement in today's headlines.

Shows presented daily at 2:00 with evening shows, Wednesday through Sunday, at eight. Extra matinees late afternoons on Saturdays, Sundays and holidays. Admission: Adults, \$1.00, with half price for young people seventeen and under.

SPECIAL EXHIBITS

"CETACEA", a major Academy exhibit, one of the best in recent history, devoted to this order of marine mammals—whales, dolphins, porpoises. Models, skeletons, artifacts, photographs and text, all aimed toward a single end—the conservation of these titans of the deep.

"NANCY BECHTEL'S SAFARI CAMERA," color enlargements of East African animals, people and plants plus contemporary artifacts from this ancient continent. Continues through the end of this month in Hohfeld Gallery adjacent the Hall of Space Science.

News and Notes



THE COMPUTER AGE HAS COME TO THE ACADEMY. The Department of Herpetology is the proud possessor of a Hewlett-Packard Model 9830A Programmable Calculator (Mini-Computer), a gift made possible by the generosity of Honorary Trustee Daniel E. Koshland in June of this year. The system, which uses the BASIC language, will be used for statistical analyses, inventory operations, and for the development of special programs in systematics and zoogeography.

In the initial stages, Curator Alan E. Leviton, pictured above with department secretary Margaret Morrison, and his associates are developing programs for cataloging, for the

maintenance of records of loans and exchanges to other institutions, and, curatorially speaking, evolving random entry keys to be used in the identification of animals. These are only beginnings. One day it is hoped that subsequent funding will permit the acquisition of additional peripheral devices that will increase further the marvelous flexibility of this impressive instrument thereby expanding its usefulness — all-in-all a vivid example of one science advancing another.

Members can still

take advantage of the Telescope Making Class which doesn't begin until Tuesday evening October 9. The eight week course (Tuesdays 7-9 p.m.) will show you how to construct a moderate-size telescope for considerably less than retail cost. Fee: \$25 per family. Register now through the Planetarium Office, 221-5100.

In July,

the National Science Foundation announced a grant to the Academy for renewed support of the project entitled "Nerve Patterns and Their Contribution to the Classification of Fishes," research under the Direction of Dr. Warren C. Freihofer, Associate Curator, Department of Ichthyology. The grant, in the amount of \$46,800 will make possible twenty-four months of further study.

By all means do not lose track

of the fact that the second Louis Leakey Memorial Symposium will be held in San Francisco at the Palace of Fine Arts on December 1 and 2.

The two-day program titled "In Search of Man" features a panel of world-renowned scientists that will focus on crucial discoveries in the study of man's origins, behavior and survival, asking how much does it mean to us as individuals. The registration fee for the entire two day affair is \$50. Detailed information about the symposium has been forwarded the membership in a separate mailing.

GERALD DURRELL IS COMING! Wednesday, November 3, 8:00 p.m., Masonic Auditorium. Send in for your discount tickets now. Academy members have first choice of reserved seats at a low price of \$3.50 each. Public sale of these tickets will start soon at \$5.00. This presentation is the only Academy benefit

scheduled for this year so plan to enjoy it with your family and friends. The CAS and Mr. Durrell's Jersey Wildlife Trust are the beneficiaries. Mail checks payable to the California Academy of Science, "The Stationary Ark," California Academy of Sciences, Golden Gate Park, San Francisco 94118.

RECENT SCIENTIFIC PUBLICATIONS OF THE CALIFORNIA ACADEMY OF SCIENCES

Proceedings

- "The Genus *Mecas* LeConte (Coleoptera: Cerambycidae)". John A. Chemsak and E. G. Linsley. Vol. XXXIX, No. 12. July 9, 1973.....\$1.50
- "Comparative Revision of *Scomberoides*, *Oligoplites*, *Parona*, and *Hypacanthus* with Comments on the Phylogenetic Positions of *Campogramma* (Pisces: Carangidae)". William F. Smith-Vaniz and Jon C. Staiger. Vol. XXXIX, No. 13. July 9, 1973.....\$2.75
- "*Ctenacis* and *Gollum*, Two New Genera of Sharks (Selachii; Carcharhinidae)". L. J. V. Compagno. Vol. XXXIX, No. 14. July 9, 197375¢
- "Chemical Extraction Techniques to Free Fossil Silicoflagellates from Marine Sedimentary Rocks" York T. Mandra, A. L. Brigger, and Highoochi Mandra. Vol. XXXIX, No. 15. July 9, 1973.....50¢

MEET THE STAFF



INGO ORLAMUNDER, Reservations Secretary for Morrison Planetarium, has the responsibility of arranging for the hundreds of Bay Area school classes who annually wend their way to the Academy to witness the specially-gearred astronomy shows presented as a public service in the Theatre of the Stars. This involves thousands of students and the scheduling is no mean job.

Born in Braunschweig, Germany, Ingo and his family migrated to the U.S. and New York

City in 1946. His first eight years of elementary education were at a boarding school in Poughkeepsie and his junior high and high school years were spent at McBurney in Manhattan. Early employment found him with the National Broadcasting Company and simultaneously attending night school at Hunter College. He was drafted into the Army in 1963 and discharged in 1965. He returned to NBC where he became a scheduling coordinator for television maintenance crews. As happens to many, he became disenchanted with New York and in early 1968 removed himself to California and San Francisco. Late in that same year he accomplished a part-time job at the CAS which led, later, to his present one.

The rural life as a youngster in upstate New York introduced him to a variety of animals and variety is the word for pets he has had since. They include mice, eagles, raccoons, hawks, skunks, chipmunks, squirrels and ring-tail cats — to mention but some. Currently his menage is limited to a chihuahua and a Persian cat.

Ingo skis, swims, gardens, and enjoys being creative be it with leather, tin, glass or twine. He returned to college on a part-time basis in the autumn.

NEW MEMBERS OF THE ACADEMY

REGULAR MEMBERS

Miss L. Anfinson
Mrs. Edith P. Blackburn
Mr. Charles F. Brown
Miss Sydney Lee Buffat
Miss Mildred Carmean
Mr. Richard C. Clark
Mr. Keith A. Erickson
Mr. Robert K. Gellatly
Mrs. Elizabeth Gernes
Mr. John C. Hansen
Mr. Jimmy H. Hom
Miss Debby Kruth
Miss Andrea Mach
Miss Anita Mardikian
Mrs. Frank M. Markt
Mr. Charles E. Masson

Miss B. Joeline Matuska
Mrs. Frank Moore
Mr. John T. McClelland
Mr. Michael H. F. McCrea
Mr. David Oberhoffer
Mr. Gary Premazon
Mr. John T. Pridgen
Mr. Carlo Delle Sedie
Mr. & Mrs. William J. Shea
Mr. Allan M. Skarie
Mrs. Daniel Stone
Mr. Larry Stroud
Mr. Barry A. Swackhamer
Mrs. Stanley Symons
Miss Kathy Terry
Mr. Stephen L. White

FAMILY MEMBERS

Mr. David M. Atcheson
Mr. Carlisle Becker
Mr. & Mrs. David A. Behlmer
Mr. Joseph V. Costello, Jr.
Mr. & Mrs. John S. Crittenden
Mr. Everett E. Evans
Dr. F. Gentry Harris
Mr. & Mrs. Lawrence Holmes
Mrs. Robert C. Huddleson
Mr. Victor Iwamura
Mr. & Mrs. Robert H. Laws, Jr.
Mr. Modesto L. Leonardi
Mr. Douglas R. Leisz

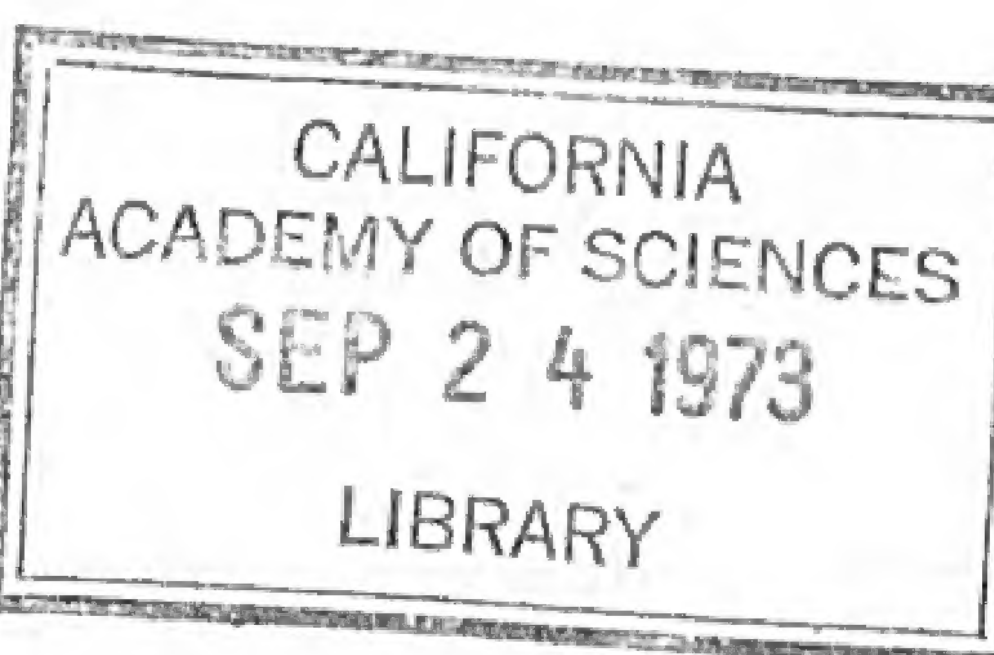
Mr. & Mrs. Stefan London
Mr. & Mrs. Thomas J. Meisner
Dr. & Mrs. Warren B. Miller
Mr. David Mostardi
Mr. & Mrs. Thomas H. Newton
Mr. & Mrs. Henry I. Prien
Mrs. Constance Ruske
Mr. Stephen H. Slabach
Dr. & Mrs. Robert N. Smith
Mr. & Mrs. William Stone
Mr. & Mrs. Geoffrey Thompson
The Dr. Leon Wanerman Family
Mr. Herbert Yee

CONTRIBUTING MEMBER

Mr. Ward M. Millar

Non-Profit Organization
U. S. POSTAGE
PAID
San Francisco, Calif.
Permit No. 7544

Ref.
Q 111
C22
170.406



No. 406 • Published Monthly by the
**CALIFORNIA ACADEMY
OF SCIENCES**

**GOLDEN GATE PARK
SAN FRANCISCO 94118**

(415) 221-5100

Open every day of the year

OCTOBER 1973

Printed on 100% Recycled Paper

**ACADEMY
NEWSLETTER**

